Public Works (1897) Department.

G.O., No. 4069

DATED 28th April 1897.

3774

[Despatch Abstract.]

XI Branch channel of the Periyar Project

Revised estimate amounting to Rs 24,630 for the excavation of the — and for the construction of masonry works in the same, sanctioned.

24/4/97

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P.W. 28.
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IRRIGATION.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

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G.O., No. 406 I., 28th April 1897.

APRIL.

XI Branch Channel of the Periyar Project

Revised estimate amounting to Rs. 24,630 for the excavation of the — and for the construction of masonry works in the same, sanctioned.

No. 406 I., 28th April 1897.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following paper :—

From Lieutenant-Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 22nd March 1897, No. 439 M.D.

I have the honour to forward, for sanction, a revised estimate, amounting to Rs. 24,630, for the excavation of the XI Branch channel of the Periyár Main canal, and for the construction of masonry works in the same.

2. The original estimate as per provision made in the Blue Book was Rs. 13,150 for earthwork and 14,850 for masonry, land compensation, &c., making a grand total of Rs. 28,000. This amount was subsequently revised to Rs. 30,280 allowing Rupees 13,150 for earthwork and 17,130 for masonry, &c. (*vide* G.O., No. 97 I., dated 3rd February 1894). Deducting Rs. 3,150, the cost for the land to be taken up, and 1,530 for the regulator at the head of the channel (the estimate for which has been separately dealt with and sanctioned in G.O., No. 315 I., dated 1st April 1896), the amount provided in the revised estimate and sanctioned in the Government Order referred to above for the remaining masonry works and earthwork, as shown in the body of the report attached to the estimate, is Rs. 25,600, and in supersession of these works the following works are now estimated for and they amount to Rs. 24,630, of which Rs. 10,000 for earthwork and 14,630 for masonry works :—

		RS.
12	Falls with different drops ...	8,375
23	Pipe sluices of different size ...	1,395
2	Masonry sluices ...	280
2	Accommodation bridges combined with Falls Nos. 4 and 7 ...	1,120
1	Fall and bridge ...	590
1	Aqueduct ...	2,870
	Total ...	14,630

3. A tabular statement is attached to the estimate which shows hydraulic details, mileages and other necessary information, in connection with the proposed works.

4. The design of the drops is similar to those proposed for the XII Branch channel and they may be adopted.

5. The rates are fair and the estimate is recommended for sanction.

Enclosures.

Report to accompany revised estimate, XI Branch channel, Periyár project.

This estimate is in supersession of the following items of the revised estimate printed with G.O., No. 97 I. of 3rd February 1894 :—

NOS.		RS.
517.	Fall ...	800
518.	Four falls ...	3,120
519.	Fall ...	760
520.	Four falls ...	3,000
557.	Road tunnel ...	960
573.	Earthwork ...	13,150
623.	Ten sluices ...	3,200
624.	Slui e ...	310
625.	Do. ...	300
	Total ...	25,600

The revised estimate amounts to Rs. 24,630.

The channel running along a narrow strip of land, no distributaries of importance are required. Sufficient allowance is made in the estimate for these works, none of which are of sufficient importance to be maintained by Government.

The following tanks will be maintained and supplied by this channel:—

Periamelam of Melur village.
Menrengi of Do.
Adavandi or Alagiapondiapuram of Pondivettangudi village.
Pondivettangudi tank of Pondivettangudi village.

The total acreage expected under this channel is 3,500 and the discharge provided is at the rate of 75 acres to the cubic foot per second with ordinary full supply depth of 2 feet.

The channel will also carry a maximum depth of 3 feet for filling the above-mentioned tanks.

The rates provided are those at which the XII Branch channel is being executed, it is impossible to reduce them and get the work done in time for next season's cultivation.

The work has been put in hand in anticipation of sanction, land having already been acquired.

(Signed) T. W. S. SMYTH,
Executive Engineer.

XI. BRANCH CHANNEL, PERIYAR PROJECT: EXCAVATING THE—.

Estimate Form—Abstract—Classified.

Sub-head.	Names of Works.	Amount of estimate for individual work.	Total of sub-heads.	Total for each canal or distributary.	Total of each main head.
1	2	3	4	5	6
		RS.	RS.	RS.	RS.
3. Works	Fall No. 1	680			
	,, ,, 1-A	680			
	,, ,, 1-B	680			
	,, ,, 2	960			
	,, ,, 3	720			
	,, ,, 4	585			
	Bridge with fall No. 4	530			
	Fall No. 5	710			
	,, ,, 6	985			
	,, ,, 7	475			
	Accommodation bridge with fall No. 7	590			
	Fall No. 8	560			
	Bridge with fall No. 9	590			
	Drop No. 10	670			
	,, ,, 11	670			
	Aqueduct	2,870			
	Total	..	12,955		
4. Earthworks	Earthwork	10,000			
	Total	..	10,000		
5. Miscellaneous.	Two Masonry sluices	280			
	Four 12″ pipe sluices	320			
	Five 9″ ,,	375			
	Fourteen 6″ ,,	700			
	Total	..	1,675		
	Grand Total	..		24,630	

22nd March 1897.

(Signed) O. V. BODDY, Lieut.-Col., R.E.,
Superintending Engineer, VI Circle.

No. 96 I.

Submitted to Government with a recommendation that the revised estimate forwarded by the Superintending Engineer, VI Circle, be sanctioned.

20th April 1897.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 406 I., dated 28th April 1897.

The revised estimate of Rs. 24,630 for the XI Branch channel of the Periyár project is approved in lieu of the provision of Rs. 25,600 made for the work in the comparative statement printed in Proceedings of Madras Government, No. 97 I., dated 3rd February 1894.

2. The Superintending Engineer, VI Circle, will include the unexpended balance of the revised estimate on 1st April 1897 in the schedule prescribed in Code II, Chapter V, paragraph 35, Rule III.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle, with 54 enclosures.
" Examiner, Public Works Accounts.

Exd. T. K. Narayana Aiyangar.

No. of G. O.	For what purpose.	When taken.	Name of the party by whom taken.

P. W. D.

No.

MEMORANDUM of PAPERS removed from the Records of the Madras Government for reference.

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